

CLAIMS

What is claimed is:

1 · A metal plane jointing structure comprising:

5 a metal plate;

a metal joint nut having a periphery flange thereon; and

a layer of adhesive glue positioned between the metal plate
and the periphery flange.

10 2 · The metal plane jointing structure of claim 1 wherein the
metal plate is made of aluminum.

3 · The metal plane jointing structure of claim 1 further
comprising an annular plate tightly surrounds the periphery
15 flange for increasing the contact surface between the metal
joint nut and the metal plate.

4 · The metal plane jointing structure of claim 1 wherein the
adhesive glue is an epoxy resin.

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5 · A making method for a metal plane jointing structure
comprising:

(a) forming a metal plate;

(b) forming a metal joint nut;

- (c) insulating the metal plate by performing an anodic treatment;
- (d) performing a de-scum process at the joint position of the metal plate;
- 5 (e) performing the de-scum process at the joint position of the metal joint nut;
- (f) coating a glue at the joint position of the metal joint nut or the metal plate;
- (g) connecting the metal joint nut onto the metal plate;
- 10 (h) curing the metal joint nut and the metal plate in an oven; and
- (i) cooling down at the room temperature.

6 · The method of claim 5 wherein the step (d) further comprises
15 polishing the surface of the metal plate at the joint position.

7 · The method of claim 5 wherein the step (e) further comprises
polishing the jointing face of the metal joint nut.

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8 · The method of claim 5 wherein in step (h) is carried out
for 4 minutes at 200°C.